




**THE DATASHEET OF  
TF06L-68S-0.5SH(800)**



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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△						△						
△						△						
<b>APPLICABLE STANDARD</b>												
RATING	OPERATING TEMPERATURE RANGE	-40°C ~ +85°C		STORAGE TEMPERATURE RANGE	-10°C ~ +50°C(Packed Condition)							
	VOLTAGE	50V [AC(rms) / DC]		OPERATING OR STORAGE HUMIDITY RANGE	Relative Humidity 90%MAX (NOT DEWED)							
	CURRENT	0.5A [AC(rms) / DC](note 1)		APPLICABLE CABLE	FPC/FFC (t=0.3±0.03mm)							
<b>SPECIFICATIONS</b>												
ITEM		TEST METHOD				REQUIREMENTS				QT	AT	
<b>CONSTRUCTION</b>												
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT				ACCORDING TO DRAWING				0	0	
MARKING		CONFIRMED VISUALLY								0	0	
<b>ELECTRICAL CHARACTERISTICS</b>												
CONTACT RESISTANCE		MATE APPLICABLE FPC/FFC AND APPLY A CURRENT OF 10mA, 20mv DC				50 mΩ MAX. INCLUDING FPC/FFC BULK RESISTANCE(L=8mm)				0	0	
INSULATION RESISTANCE		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF DC 500V				500 MΩ MIN.				0	0	
VOLTAGE PROOF		MATE APPLICABLE FPC/FFC AND APPLY A VOLTAGE OF AC 250V FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				0	0	
<b>MECHANICAL CHARACTERISTICS</b>												
FPC RETENSION FORCE		MEASURE BY APPLICABLE FPC/FFC(t=0.3) AT INITIAL CONDITION				DIRECTION OF INSERTION :				0	-	
						NUMBER OF CONTACTS						
						FORCE(N, MIN.)						
MECHANICAL OPERATION		20 TIMES INSERTIONS AND EXTRATIONS				①CONTACT RESISTANCE: 50mΩ MAX ②NO DAMAGE,CRACK AND LOOSENESS OF PARTS				0	-	
VIBRATION		FREQUENCY 10 ~ 55 Hz, TOTAL AMPLITUDE 1.5 mm AT 2h, IN 3 DIRECTIONS				①NO ELECTRICAL DISCONTINUITY OF 1μs. ②CONTACT RESISTANCE : 50mΩ MAX				0	-	
SHOCK		490m/s <sup>2</sup> DIRECTION OF PULSE 11ms AT 3 TIMES IN 3 DIRECTIONS.				③NO DAMAGE,CRACK AND LOOSENESS OF PARTS				0	-	
<b>ENVIRONMENTAL CHARACTERISTICS</b>												
DAMP HEAT(STEADY STATE)		EXPOSED AT 40±2°C, 90~95 %, 96Hr.				①CONTACT RESISTANCE: 50 mΩ MAX.				0	-	
RAPID CHAGE OF TEMPERATURE		TEMPERATURE : -40±2 → 15~35 → +85±2 → 15~35 °C TIME : 30 → 2~3 → 30 → 2~3 min. UNDER 5 CYCLES.				②INSULATION RESISTANCE: 100 MΩ MIN. ③NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				0	-	
DAMP HEAT, CYCLE		TEMPERATURE -10→+65 HUMIDITY : 90~95% 10 CYCLE(240Hr)								0	-	
DRY HEAT		EXPOSED AT 85±2°C, 96Hr				①CONTACT RESISTANCE : 50mΩ MAX				0	-	
COLD		EXPOSED AT -40±2°C, 96Hr				②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				0	-	
CORROSION SALT SPRAY		EXPOSED AT 35±2°C, 5±1% SALT WATER SPRAY FOR 48Hr				①CONTACT RESISTANCE 50mΩ MAX ②NO DAMAGE, CRACK OR LOOSENESS OF PARTS.				0	-	
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96Hr. (TEST STANDARD : JEIDA-38)				③NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				0	-	
RESISTANCE TO SOLDERING HEAT		REFLOW SOLDERING: PEAK TMP. : 260°C MAX. 10s MIN. REFLOW TMP. : 217°C FOR 90~120s				①NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. ②NO DAMAGE OF ELECTRICAL PERFORMANCE				0	-	
SOLDER ABILITY		SOLDER DIPPING TEMPERATURE 245±5°C (TEST STANDARD : MIL-STD-202)				WETTING BALANCE TEST : 2s MAX. DIP & LOOK TEST : 95% MIN. A NEW UNIFORM COATING OF SOLDER				0	-	
(Note 1) WHEN THE SAME VALUE OF CURRENT ARE APPLID TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70% OF THE RATED CURRENT VALUE.												
REMARKS		CONDITIONS FOR TESTING				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED		
						D.H CHO	D.H CHO	D.H CHO	H.C SONG			
						17.04.10	17.04.10	17.04.10	17.04.10			
UNLESS OTHERWISE SPECIFIED, REFER TO JIS C 5402.												
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST O: APPLICABLE TEST												
HIROSE KOREA CO.,LTD.				SPECIFICATION SHEET				PART NO. TF06L-**S-0.5SH(800)				
CODE NO.(OLD)		DRAWING NO.		CODE NO.		CL ****-****-800		1		1		
CL		ELC4-632316-80										

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